Mob : 99457 44759

Shriya Construction and Consultancy

1133, 3rd Floor, 3rd Stage, 'B' Cross, Yelahanka New Town, Bangalore - 560 064.

Date: 12-06-2021

NO: YEL-D/PMC/G RAM /WMM Grad

TEST REPORT ON WET MIX MACADAM MIX (GRADATION TEST)

Sub: To conduct Gradation test on Wet Mix Macadam (WMM) Mix.

Project: "Asphalting to roads at Sai Archade, G Ramaiah and surrounding areas in ward no -03 Yelahanka Satellite Town sub Division".

Ref: Material Testing/PMC/201-22

Report submitted to: Assistant Executive Engineer, Yelahanka Sub Division, BBMP Bangalore.

Name of Agency/ contractor: M/s KRIDL Bangalore.

TEST RESULTS

1. Gradation Test:

TABLE 1.1

Sieve Size mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Specified Limits as per MoRTH Specifications, V Revision-2013
53.00	100.00	100
45.00	98.40	95-100
26.50	---	-
22.40	71.15	60-80
11.20	53.25	40-60
4.75	32.65	25-40
2.36	24.95	15-30
0.600	18.30	8-22
0.075	4.15	0-5

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Mob : 99457 44759

Shriya Construction and Consultancy

1133, 3rd Floor, 3rd Stage, 'B' Cross, Yelahanka New Town, Bangalore - 560 064.

TABLE 1.2

SL No	Test conducted	Test Results	Tests Conforms to IS 2386(Part I to IV)–1963 (Reaffirmed on 2002) & Requirements as per IS:383-1970 & M.o.R.T.H Specification, V Revision -2013.
1.	Aggregate Impact Value	**27.63%**	Not more than 30.00 %
2.	Combined Flakiness and Elongation index, %	**28.34 %**	Not more than 35.0 %
3.	Water absorption, %	**0.41%**	Not more than 2.0 %
4.	Plasticity Index, %	**NP**	Not more than 6.0 %

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1133, 3rd Floor, 3rd Stage, 'B' Cross, Yelahanka New Town, Bangalore - 560 064.

NO: YEL-D/PMC/G RAM /DRN. Slab

Date: 30/06/2021

Precast Drain Slab 100mm Thick (Core Cutting Method) Test Report

Sub: Testing of Concrete Drain Slab (Core Cutting Method) – Compressive Strength

Project: "Asphalting to roads at Sai Archade, G Ramaiah and surrounding areas in ward no -03 Yelahanka Satellite Town sub Division".

Ref: Material Testing/PMC/201-22

Report submitted to: Assistant Executive Engineer, Yelahanka Sub Division, BBMP Bangalore.

Name of Agency/ contractor: M/s KRIDL Bangalore.

RESULTS OF COMPRESSIVE STRENGHT OF CONCRETE CORE

CORE SPECIMENS

Grade Of concrete: **M20**
Technical Ref:. IS.516-1959 (Reaffirmed), Sp 24-1983.

Table 1.1

Dia of Specimens: 50 mm =D

SL No	Height of core (H)mm	Weight of Core (KG)	Dencity of core (KG/m3)	H/D	Correction factor of H/D	Load KN	Compressive Strength-N/mm2	Correction Factor for dia (Strength x1.08)	Corrected Compressive Strength	Equavenent Cube Compressive Strength
1.	81	.355	2317.9	1.56	.960	34.5	17.57	18.98	18.22	22.9
2.	80	.368	2342.7	1.60	.960	35.6	18.13	19.58	18.80	23.4
3.	82	.382	2372.5	1.64	.960	33.2	16.91	18.26	17.53	21.9

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Date: 10/07/2021

NO: YEL-D/PMC/G RAM /CUL. Slab

Precast Culvert Slab 250mm Thick (Core Cutting Method) Test Report

Sub: Testing of Culvert Slab of 250mm Thick (Core Cutting Method) – Compressive Strength).

Project: "Asphalting to roads at Sai Archade, G Ramaiah and surrounding areas in ward no -03 Yelahanka Satellite Town sub Division".

Ref: Material Testing/PMC/201-22

Report submitted to: Assistant Executive Engineer, Yelahanka Sub Division, BBMP Bangalore.

Name of Agency/ contractor: M/s KRIDL Bangalore.

RESULTS OF COMPRESSIVE STRENGHT OF CONCRETE CORE

CORE SPECIMENS

Grade Of concrete: **M20**
Technical Ref:. IS.516-1959 (Reaffirmed), Sp 24-1983.

Table 1.1
Dia of Specimens: 100 mm =D

SL No	Height of core (H)mm	Weight of Core (KG)	Dencity of core (KG/m3)	H/D	Correction factor of H/D	Load KN	Compressive Strength-N/mm2	Correction Factor for dia (Strength x1.08)	Corrected Compressive Strength	Equavenent Cube Compressive Strength
1.	170	3.118	2335.2	1.70	.960	142.5	18.14	19.60	18.81	23.4
2.	173	3.231	2377.9	1.73	.960	138.6	17.65	19.06	18.30	22.2
3.	173	3.291	2394.4	1.75	.960	140.3	17.86	19.29	18.52	23.1

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Date: 05/06/2020

NO: YEL-D/PMC/G RAM/KERB

KerbStone (Core Cutting Method) Test Report

Sub: Testing of concrete Kerb Stones (Core Cutting Method) – Compressive Strength)

Project: "Asphalting to roads at Sai Archade, G Ramaiah and surrounding areas in ward no -03 Yelahanka Satellite Town sub Division".

Ref: Material Testing/PMC/201-22

Report submitted to: Assistant Executive Engineer, Yelahanka Sub Division, BBMP Bangalore.

Name of Agency/ contractor: M/s KRIDL Bangalore.

RESULTS OF COMPRESSIVE STRENGHT OF CONCRETE CORE

CORE SPECIMENS

Grade Of concrete: **M15**
Technical Ref:. IS.516-1959 (Reaffirmed), Sp 24-1983.

Table 1.1

Dia of Specimens: 50 mm =D

SL No	Height of core (H)mm	Weight of Core (KG)	Dencity of core (KG/m3)	H/D	Correction factor of H/D	Load KN	Compressive Strength - N/mm2	Correction Factor for dia (Strength x1.08)	Corrected Compressive Strength	Equavenent Cube Compressive Strength
1.	78	.354	2311.4	1.56	.960	26.3	13.39	14.47	13.39	17.36
2.	80	.368	2342.7	1.60	.960	26.3	13.39	14.47	13.39	17.36
3.	82	.382	2372.5	1.64	.960	25.10	12.78	13.81	13.25	16.57

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1133, 3rd Floor, 3rd Stage, 'B' Cross, Yelahanka New Town, Bangalore - 560 064.

Date: 22/07/2021

NO: YEL-D/PMC/G RAM/M30 Road

Test report on cement Concrete Cubes:

Sub: Testing of concrete cubes (for below said no of days – Compressive Strength)

Project: "Asphalting to roads at Sai Archade, G Ramaiah and surrounding areas in ward no -03 Yelahanka Satellite Town sub Division".

Ref: Material Testing/PMC/201-22

Report submitted to: Assistant Executive Engineer, Yelahanka Sub Division, BBMP Bangalore.

Name of Agency/ contractor: M/s KRIDL Bangalore.

RESULTS OF COMPRESSIVE STRENGHT OF CONCRETE CUBES

CUBE SPECIMENS

Dimentions of Specimens: 150x150x150mm
Grade Of concrete: **M30**

Table1.1

Sl No	Location	Date Of Casting	Date Of Testing	Weight Of Cubes	Age in days	Load (KN)	ssive Strengt h N/mm2	Average Strength N/mm2
1	1ST A CROSS ROAD AND 1ST B CROSS ROAD	15-07-2021	22-07-2021	8.54	7	499.00	22.18	23.64
2		"	"	8.25	"	426.00	18.93	
3		"	"	8.63	"	503.00	22.36	
4		"	"	8.55	"	500.00	22.22	
5		"	"	8.12	"	479.00	21.29	
6		"	"	8.34	"	785.00	34.89	

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1133, 3rd Floor, 3rd Stage, 'B' Cross, Yelahanka New Town, Bangalore - 560 064.

NO: YEL-D/PMC/G RAM /M30 Road

Date: 12/08/2021

Test report on cement Concrete Cubes:

Sub: Testing of concrete cubes (for below said no of days – Compressive Strength)

Project: "Asphalting to roads at Sai Archade, G Ramaiah and surrounding areas in ward no -03 Yelahanka Satellite Town sub Division".

Ref: Material Testing/PMC/201-22

Report submitted to: Assistant Executive Engineer, Yelahanka Sub Division, BBMP Bangalore.

Name of Agency/ contractor: M/s KRIDL Bangalore.

RESULTS OF COMPRESSIVE STRENGHT OF CONCRETE CUBES

CUBE SPECIMENS

Dimentions of Specimens: 150x150x150mm
Grade Of concrete: M30

Table1.1

Sl No	Location	Date Of Casting	Date Of Testing	Weight Of Cubes	Age in days	Load (KN)	ssive Strengt h N/mm2	Average Strength N/mm2
1	1ST A CROSS ROAD AND 1ST B CROSS ROAD	15-07-2021	12-08-2021	8.65	28	705.00	31.33	33.74
2		"	"	8.42	"	736.00	32.71	
3		"	"	8.63	"	800.00	35.56	
4		"	"	8.24	"	767.00	34.09	
5		"	"	8.25	"	784.00	34.84	
6		"	"	8.54	"	763.00	33.91	

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1133, 3rd Floor, 3rd Stage, 'B' Cross, Yelahanka New Town, Bangalore - 560 064.

NO: YEL-D/PMC/G RAM / M30 Road

Date: 12/08/2021

Test report on cement Concrete Cubes:

Sub: Testing of concrete cubes (for below said no of days – Compressive Strength)

Project: "Asphalting to roads at Sai Archade, G Ramaiah and surrounding areas in ward no -03 Yelahanka Satellite Town sub Division".

Ref: Material Testing/PMC/201-22

Report submitted to: Assistant Executive Engineer, Yelahanka Sub Division, BBMP Bangalore.

Name of Agency/ contractor: M/s KRIDL Bangalore.

RESULTS OF COMPRESSIVE STRENGHT OF CONCRETE CUBES

CUBE SPECIMENS

Dimentions of Specimens: 150x150x150mm
Grade Of concrete: M30

Table1.1

Sl No	Location	Date Of Casting	Date Of Testing	Weight Of Cubes	Age in days	Load (KN)	ssive Strengt h N/mm2	Average Strength N/mm2
1	1ST A CROSS ROAD AND 1ST B CROSS ROAD	15-07-2021	12-08-2021	8.63	28	799.00	35.51	34.65
2		"	"	8.52	"	806.00	35.82	
3		"	"	8.43	"	756.00	33.60	
4		"	"	8.55	"	784.00	34.84	
5		"	"	8.41	"	788.00	35.02	
6		"	"	8.25	"	745.00	33.11	

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Date: 10/06/2021

TABLE 1.2

SL No	Test conducted	Test Results	Tests Conforms to IS 2386(Part I to IV)– 1963 (Reaffirmed on 2002) & Requirements as per IS:383-1970 & M.o.R.T.H Specification, V Revision -2013.
1.	Water absorption, %	**0.41 %**	Not more than 2.0 %
2.	Liquid Limit, %	**18.64**	Not more than 25.0 %
3.	Plasticity Index, %	**NP**	Not more than 6.0 %
4.	Moisture Content, %	**6.74**	----------
5.	Aggregate Impact Value, %	**28.80**	Not more than 40.00 %

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Date: 10-06-2021

NO: YEL-D/PMC/G RAM /WMM Grad

TEST REPORT ON WET MIX MACADAM MIX (GRADATION TEST)

Sub: To conduct Gradation test on Wet Mix Macadam (WMM) Mix.

Project: "Asphalting to roads at Sai Archade, G Ramaiah and surrounding areas in ward no -03 Yelahanka Satellite Town sub Division".

Ref: Material Testing/PMC/201-22

Report submitted to: Assistant Executive Engineer, Yelahanka Sub Division, BBMP Bangalore.

Name of Agency/ contractor: M/s KRIDL Bangalore.

TEST RESULTS

1. Gradation Test:

TABLE 1.1

Sieve Size mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Specified Limits as per MoRTH Specifications, V Revision-2013
53.00	100.00	100
45.00	97.15	95-100
26.50	---	-
22.40	79.26	60-80
11.20	53.41	40-60
4.75	36.16	25-40
2.36	24.61	15-30
0.600	19.32	8-22
0.075	3.82	0-5

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1133, 3rd Floor, 3rd Stage, 'B' Cross, Yelahanka New Town, Bangalore - 560 064.

Date: 14/05/2021

NO: YEL-D/PMC/G RAM/Raft

Test report on cement Concrete Cubes:

Sub: Testing of concrete cubes (for below said no of days – Compressive Strength)

Project: "Asphalting to roads at Sai Archade, G Ramaiah and surrounding areas in ward no -03 Yelahanka Satellite Town sub Division".

Ref: Material Testing/PMC/201-22

Report submitted to: Assistant Executive Engineer, Yelahanka Sub Division, BBMP Bangalore.

Name of Agency/ contractor: M/s KRIDL Bangalore.

RESULTS OF COMPRESSIVE STRENGHT OF CONCRETE CUBES

CUBE SPECIMENS

Dimentions of Specimens: 150x150x150mm

Grade Of concrete: **M20**

Table1.1

Sl No	Location	Date Of Casting	Date Of Testing	Weight Of Cubes	Age in days	Load (KN)	ssive Strengt h N/mm2	Average Strength N/mm2
1	RHS END ROAD AND 3RD CROSS ROAD LHS	14-05-2021	04-06-2021	8.23	7	399.00	17.73	16.24
2		"	"	8.41	"	345.00	15.33	
3		"	"	8.35	"	385.00	17.11	
4		"	"	8.29	"	362.00	16.09	
5		"	"	8.17	"	326.00	14.49	
6		"	"	8.24	"	375.00	16.67	

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1133, 3rd Floor, 3rd Stage, 'B' Cross, Yelahanka New Town, Bangalore - 560 064.

NO: YEL-D/PMC/G RAM/SIDE WALLS

Date: 06/06/2021

Test report on cement Concrete Cubes:

Sub: Testing of concrete cubes (for below said no of days – Compressive Strength)

Project: "Asphalting to roads at Sai Archade, G Ramaiah and surrounding areas in ward no -03 Yelahanka Satellite Town sub Division".

Ref: Material Testing/PMC/201-22

Report submitted to: Assistant Executive Engineer, Yelahanka Sub Division, BBMP Bangalore.

Name of Agency/ contractor: M/s KRIDL Bangalore.

RESULTS OF COMPRESSIVE STRENGHT OF CONCRETE CUBES

CUBE SPECIMENS

Dimentions of Specimens: 150x150x150mm

Grade Of concrete: **M20**

Table1.1

Sl No	Location	Date Of Casting	Date Of Testing	Weight Of Cubes	Age in days	Load (KN)	ssive Strengt h N/mm2	Average Strength N/mm2
1	RHS END ROAD AND 3RD CROSS ROAD LHS	09-05-2021	06-06-2021	8.54	28	521.00	23.16	23.51
2		"	"	8.22	"	560.00	24.89	
3		"	"	8.35	"	499.00	22.18	
4		"	"	8.42	"	541.00	24.04	
5		"	"	8.61	"	531.00	23.60	
6		"	"	8.15	"	522.00	23.20	

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1133, 3rd Floor, 3rd Stage, 'B' Cross, Yelahanka New Town, Bangalore - 560 064.

NO: YEL-D/PMC/G RAM/SIDE WALLS

Date: 16/05/2021

Test report on cement Concrete Cubes:

Sub: Testing of concrete cubes (for below said no of days – Compressive Strength)

Project: "Asphalting to roads at Sai Archade, G Ramaiah and surrounding areas in ward no -03 Yelahanka Satellite Town sub Division".

Ref: Material Testing/PMC/201-22

Report submitted to: Assistant Executive Engineer, Yelahanka Sub Division, BBMP Bangalore.

Name of Agency/ contractor: M/s KRIDL Bangalore.

RESULTS OF COMPRESSIVE STRENGHT OF CONCRETE CUBES

CUBE SPECIMENS

Dimentions of Specimens: 150x150x150mm

Grade Of concrete: **M20**

Table1.1

Sl No	Location	Date Of Casting	Date Of Testing	Weight Of Cubes	Age in days	Load (KN)	ssive Strength N/mm2	Average Strength N/mm2
1	1ST A CROSS AND B CROSS ROAD	09-05-2021	16-05-2021	8.23	7	406.00	18.04	17.88
2		"	"	8.63	"	410.00	18.22	
3		"	"	8.51	"	436.00	19.38	
4		"	"	8.45	"	399.00	17.73	
5		"	"	8.28	"	384.00	17.07	
6		"	"	8.62	"	379.00	16.84	

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NO: YEL-D/PMC/G RAM / GSB

Date: 08/06/2021

TEST REPORT ON GRANULAR SUBBASE MIX (GRADATION TEST)

Sub: To conduct tests on GSB (Grade-V) mix.
Project: "Asphalting to roads at Sai Archade, G Ramaiah and surrounding areas in ward no -03 Yelahanka Satellite Town sub Division".

Ref: Material Testing/PMC/201-22

Report submitted to: Assistant Executive Engineer, Yelahanka Sub Division, BBMP Bangalore.

Name of Agency/ contractor: M/s KRIDL Bangalore.

TEST RESULTS

1. **Gradation Test:**

TABLE 1.1

Sieve Size mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Specified Limits as per MoRTH Specifications, V Revision-2013
75.00	**100.00**	100
53.00	**96.45**	80-100
26.50	**82.60**	55-90
9.50	**56.15**	35-65
4.75	**43.05**	25-50
2.36	**17.25**	10-20
0.85	**8.50**	2-10
0.425	**3.05**	0-5

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Date: 12/05/2021

NO: YEL-D/PMC/G RAM/Raft

Test report on cement Concrete Cubes:

Sub: Testing of concrete cubes (for below said no of days – Compressive Strength)

Project: "Asphalting to roads at Sai Archade, G Ramaiah and surrounding areas in ward no -03 Yelahanka Satellite Town sub Division".

Ref: Material Testing/PMC/201-22

Report submitted to: Assistant Executive Engineer, Yelahanka Sub Division, BBMP Bangalore.

Name of Agency/ contractor: M/s KRIDL Bangalore.

RESULTS OF COMPRESSIVE STRENGHT OF CONCRETE CUBES

CUBE SPECIMENS

Dimentions of Specimens: 150x150x150mm

Grade Of concrete: **M20**

Table1.1

Sl No	Location	Date Of Casting	Date Of Testing	Weight Of Cubes	Age in days	Load (KN)	Compressive Strength	Average Strength N/mm2
1	2ND MAIN SAI ORCHID ROAD	05-05-2021	12-05-2021	8.41	7	342.00	15.20	16.21
2		"	"	8.20	"	333.00	14.80	
3		"	"	8.36	"	365.00	16.22	
4		"	"	8.32	"	373.00	16.58	
5		"	"	8.55	"	384.00	17.07	
6		"	"	8.35	"	392.00	17.42	

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1133, 3rd Floor, 3rd Stage, 'B' Cross, Yelahanka New Town, Bangalore - 560 064.

NO: YEL-D/PMC/G RAM/SIDEWALLS

Date: 04/06/2021

Test report on cement Concrete Cubes:

Sub: Testing of concrete cubes (for below said no of days – Compressive Strength)

Project: "Asphalting to roads at Sai Archade, G Ramaiah and surrounding areas in ward no -03 Yelahanka Satellite Town sub Division".

Ref: Material Testing/PMC/201-22

Report submitted to: Assistant Executive Engineer, Yelahanka Sub Division, BBMP Bangalore.

Name of Agency/ contractor: M/s KRIDL Bangalore.

RESULTS OF COMPRESSIVE STRENGHT OF CONCRETE CUBES

CUBE SPECIMENS

Dimentions of Specimens: 150x150x150mm

Grade Of concrete: **M20**

Table1.1

Sl No	Location	Date Of Casting	Date Of Testing	Weight Of Cubes	Age in days	Load (KN)	Compressive Strength	Average Strength N/mm2
1	2ND MAIN SAI ORCHID ROAD	07-05-2021	04-06-2021	8.41	28	503.00	22.36	22.16
2		"	"	8.20	"	485.00	21.56	
3		"	"	8.36	"	476.00	21.16	
4		"	"	8.32	"	531.00	23.60	
5		"	"	8.55	"	499.00	22.18	
6		"	"	8.35	"	497.00	22.09	

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1133, 3rd Floor, 3rd Stage, 'B' Cross, Yelahanka New Town, Bangalore - 560 064.

NO: YEL-D/PMC/G RAM /Fine Agg

Date: 26/04/2021

1. Test report on Fine Aggregates:

Sub: Testing of Fine Aggregates Sample Pertaining to IS: 383-1970 (Reaffirmed 2002).

Project: "Asphalting to roads at Sai Archade, G Ramaiah and surrounding areas in ward no -03 Yelahanka Satellite Town sub Division".

Ref: Material Testing/PMC/201-22

Report submitted to: Assistant Executive Engineer, Yelahanka Sub Division, BBMP Bangalore.

Name of Agency/ contractor: M/s KRIDL Bangalore.

SIEVE ANALYSIS

Table 1.1

IS Sieve Size, mm	% Passing	IS: 383-1970 (Reaffirmed 2002). Percentage Passing			Result/ Remarks
		Zone I	Zone II	Zone III	
4.75mm	95.35	90-100	90-100	90-100	The Sample Conforms Grade II
2.36mm	82.65	60-95	75-100	85-100	
1.18 mm	86.25	30-70	55-90	75-100	
600 micr.	48.90	15.34	35-59	60-79	
300 mic.	23.40	5-20	8-30	12-40	
150 mic.	8.10	0-10	0-10	0-10	

SL No	Name of Tests	Sample	Result	Requirements as per IS: 383-1970 (Reaffirmed 2002).
1.	Bulking Of Sand	01	17.84%	NA
2.	Silt Content	-	.59%	Not more than 8%
3.	Specific Gravity	-	2.61	--

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1133, 3rd Floor, 3rd Stage, 'B' Cross, Yelahanka New Town, Bangalore - 560 064.

Date: 26/04/2021

TABLE 1.2

SL No	Test conducted	Test Results	Tests Conforms to IS 2386(Part I to IV)-1963 (Reaffirmed on 2002) & Requirements as per IS:383-1970 & M.o.R.T.H Specification, V Revision -2013.
1.	Aggregate Impact Value	**27.86%**	Not more than 30.00 %
2.	Combined Flakiness and Elongation index, %	**28.34%**	Not more than 35.0 %
3.	Water absorption, %	**0.42 %**	Not more than 2.0 %
4.	Plasticity Index, %	**NP**	Not more than 6.0 %

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Date: 28/04/2021

TABLE 1.2

SL No	Test conducted	Test Results	Tests Conforms to IS 2386(Part I to IV)-1963 (Reaffirmed on 2002) & Requirements as per IS:383-1970 & M.o.R.T.H Specification, V Revision -2013.
1.	Aggregate Impact Value	27.54%	Not more than 30.00 %
2.	Combined Flakiness and Elongation index, %	28.65 %	Not more than 35.0 %
3.	Water absorption, %	0.42 %	Not more than 2.0 %
4.	Plasticity Index, %	NP	Not more than 6.0 %

ಸಹಾಯಕ ಆಯುಕ್ತರಾಲ ಅಪರಂತರದ
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ.
ಬೆಂ.ಮಹಾ.ಪಾ. ಬೆಂಗಳೂರು-106

SHRIYA CONSTRUCTION AND CONSULTANCY